Sep-14 – Rev01

Whirlpool of India Ltd.

Service Manual

Top Mount

No Frost Refrigerator

INDEX

Sno.	Detail	Page No.
1.0	Model Range	3
2.0	Safety Precuations	4
3.0	Feature /Technical specification	6
4.0	Controls & Electronic configuration	7
5.0	Wiring Diagram	9
6.0	Assembly/Dissembly	11
7.0	Controlling the refrigerator temperature	14
8.0	Error indications & Trigger	15
9.0	Exploded Views	17
10.0	Part List	29

NO FROST REFRIGERATOR: MODEL RANGE

410L Dlx Better White – WRIBT41WB

410L Dlx Best White – WRIBP41WC

410L Dlx Best Suslite – WRIBP41MC

445L Dlx Best White – WRIBP45WC

Safety precautions and warnings

Read all instructions before using this appliance in order to avoid risk of accident or possible damage.

Warning / Caution

Warning This symbol is intended to alert the user to the possible death or injury.

Caution This symbol is intended to alert the user to the possible injury or damage.

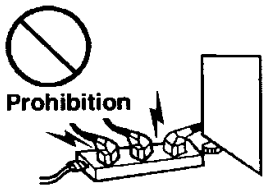
Description of symbols

- Indicates prohibition
- Do not disassemble
- Do not contact
- Adhere the instruction strictly
- Unplug from the electrical outlet
- Earth the appliance to avoid the risk of an electric shock.

Warning

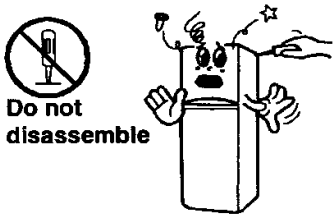
Do not plug multiple electric appliances into the same outlet.

This may cause abnormal heating or fire hazard.



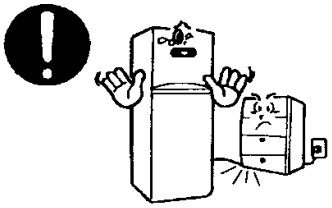
Do not disassemble repair or alter.

It may cause fire or abnormal operation which leads to injury.



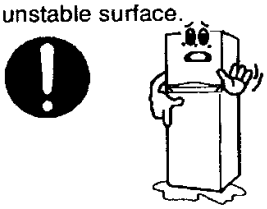
Do not bend the power cord with excessive force or do not have the power cord pressure by heavy article.

This may cause fire.



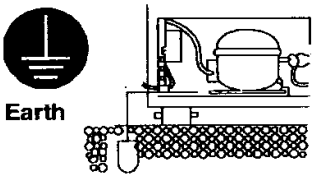
Check the operating environment

Do not install the refrigerator in a humid (with condensation) location or an unstable surface.



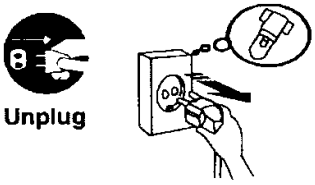
Be sure to earth.

If earthling is not done, it will cause break down and electric shock.



Pull the power plug out for exchanging the interior lam of the refrigerator.

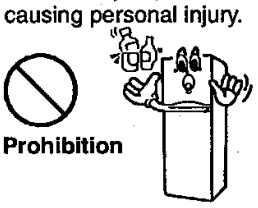
It may cause electric shock



⚠ Caution

Do not store bottled food or drinks in the freezing compartment.

Bottles may explode causing personal injury.



Prohibition

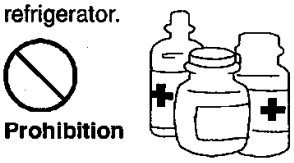
Do not store food in unstable manner.

Opening the door may trigger loose items to slip & cause injury.

Prohibition

Do not store anything other than food in the refrigerator.

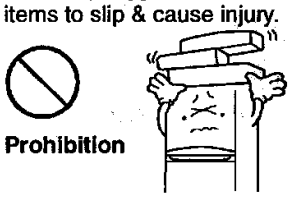
Medical supplies, which need to be under strict temperature control, should not be stored in the refrigerator.



Prohibition

Do not put on top of the refrigerator.

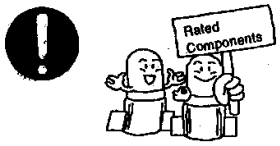
Opening or closing the door may trigger the loose items to slip & cause injury.



Prohibition

When replacing electric components, be sure to use rated components.

Check the model, rated voltage, rated current, operating temperature etc. of the component.

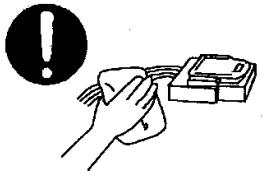


When servicing the refrigerator completely remove dust or foreign substances from the housing, electric connections etc.

This can protect against the risk of fire hazard caused by tracking and short circuit.

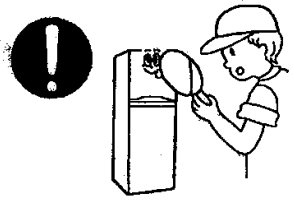
Please wipe out foreign materials of the metal option of power plug cleanly.

Use of it as it is may cause fire.



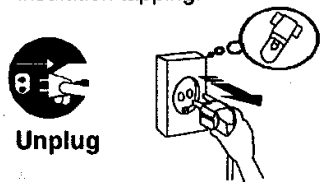
After servicing the refrigerator be sure to check the components are reassembled in a correct manner.

The service unit should be resembled & return to its original assembly state.



Check electrical ports for the trace of moisture penetration.

When the trace of moisture penetration is detected, insulation tapping.



Unplug

TECHNICAL /FEATURE SPECIFICATION

MODEL	410 L Dlx	445 L Dlx
Type	Frost Free	Frost Free
Capacities (L) total net	410L	445 L
Product Dimensions (mm)		
Width	700	700
Height	1658	1775
Depth	740	740
Gross Weight (kg)	85	90
Voltage / Hz	220/50Hz	220-240V/50-60Hz
Compressor	ADW66AK	EMY65HLC
Oil Capacity	ISO 22 (220 ml)	ISO 22 (280 ml)
Comp. Run Capacitor	CBB60 4microF/450VAC	XS351505XLUB 5 microF/350VAC
PTC Relay	QP2-15	PTH7M220MD3
Motor Protector	JUX-23GCF	4TM283KFBYY-53
Fan motor	MES 3W	MI 9.8W
Split Diffuser	NO	NO
Deodorizer	Yes	Yes
Number of Shelves	2	2
Type of Shelves	Glass	Glass
Humidity Control		
RC Illumination (6 LED Bank)	Illumination by LED's	Illumination by LED's
FC Illumination (2 LED Bank)	Illumination by LED's	Illumination by LED's
Bottle Separator	YES	YES
Packet Separator	YES	YES
Can Rack	NO	NO
Egg tray	1 No.	1 No.
Removable Ice twister	YES –Plastic	YES –Plastic
Puff pastry	YES	YES
Beer caddy	YES	YES
Thaw zone	YES	YES
Beer central	YES	YES
Freezer Door Bins	2	2
Refrigerator Door Bins	4	4
Door lock	NO	NO
Handle	FLUSH	FLUSH
Roof Rail	NO	NO
Cabinet Stopper	YES	YES
POT Control in RC compartment	YES	YES
Fast Forward Cool Operation	NO	NO
Door Alarm	YES	YES
Auto Power save mode	NO	NO

CONTROLS & ELECTRONICS CONFIGURATION

Product Configuration	No frost Dlx
Product Control	RC Controlled
Software	BEE/Pot based Professional
User interface	No
Auto cool mode	No
Ice accelerator	No
Auto Power save mode	No
Door Alarm	Yes
Power supply for illumination	DC
RC Illumination (6 LED)	Yes
FC Illumination (2 LED)	Yes
Control Board	Yes(Hercules)
Defrost heater	Yes (Integrated Al tube 200W)
Fan motor	9.8W MI/3W MES
FC Door grounding	No
Compressor	EMY65HLC/ADW66AK
Run Capacitor	YES
Door Reversibility	NO

VOLTAGE	220-240V ~,50 Hz,1∅	
REFRIGERATOR-FREEZER	Class T (IEC 60335-2-24)	
Compressor	EMY65HLC	ADW66AK
Watts Input	112 W	120 W
Watts Defrost	200 W	200 W
Full Load Amps	0.5 A	0.69 A
Blowing Agent	R141b(CH_3 $CFCL_2$)	

Top Mount: Deluxe models:

This refrigerator is managed by an Electronic System, mainly consisting of the components:

- Electronic Control Board (Hercules- Dlx (BEE))
- POT (Potentiometer) in case of Dlx (BEE) models only.
- Temperature Sensors {refrigerator, Defrost}
- Compressor (With Run capacitor)
- Freezer Fan Motor (AC)
- Defrost Heater (Integrated Al tube 200W)
- Door Open Sensing

These components are described as shown below.

– Electronic Control

The complete operation of this product is done by the Electronic Control, Functions of this models are fully controlled by the Micro-controller IC which executes the functions according to the needs, turning the components On or Off through received/managed signals, such as:

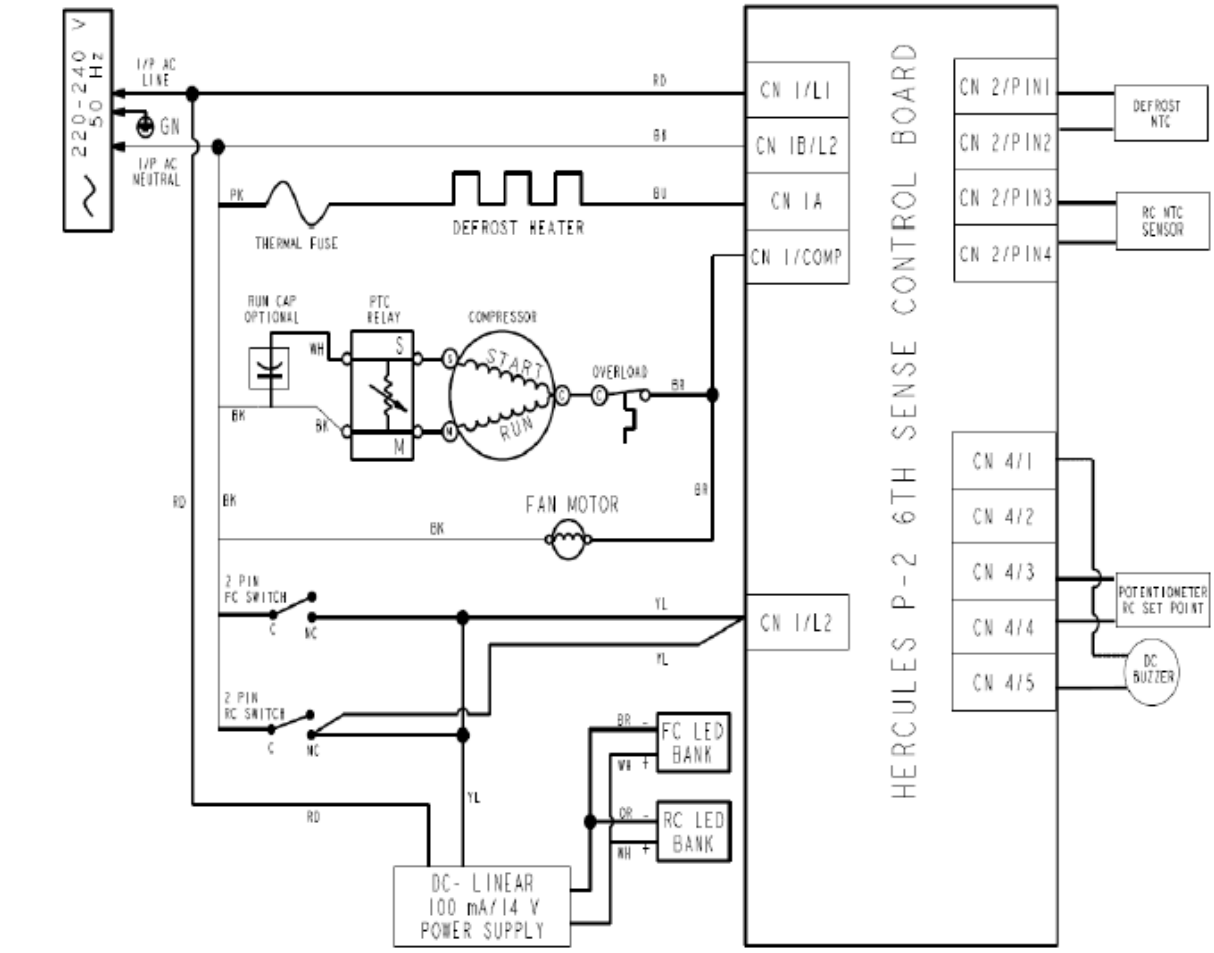
- Compressor On/Off
- Defrost Heater On/Off
- Temp setting in refrigerator Compartment, through received signals by the POT along with the RC & FC Sensors Temp. Feedback.
- Door open sensing / Alarm
- Among many other functions controlled by its software.

The Electronic Control is located at the rear of the refrigerator, next to the cabinet and besides the Compressor, inside a plastic box. Cables going inside the product, using connectors that do not permit an assembling failure do its connection to the mains and its components.

Note: For more details see wiring Diagram.

Wiring Diagram : Top Mount – No Frost Dlx

WIRING DIAGRAM



Refrigerant Charging quantity:

MODEL	GROSS CAPACITY	STORAGE CAPACITY	COMPRESSOR	REFRIGERANT R134a (Kg)
WRIB*41**	410 L	370 L	ADW66AK	0.140
			EMY65HLC	0.146
WRIB*45**	445 L	405 L	ADW66AK	0.146
			EMY65HLC	0.148

This product contains **R134a**	**Do Not** service with R12, Follow only Approved R134a service procedure & a Qualified technician, while repairing.

⚠WARNING AVOID ELECTRICAL SHOCK.
Follow recognized safety procedures and servicing instructions.

- ★ Disconnect power before servicing.
- ★ If refrigerant leak is suspected around compressor terminal, relieve all pressure from system, keeping terminal cover in place.
- ★ Replace all panels before operating, failure to do so can result in death or electrical shock.
- ★ To avoid electrical shock hazard, this product must be grounded. Any ground wire disconnected during service must be reconnected.
- ★ Do not reconnect unit to electrical supply until compressor terminal cover is securely in place.

⚠WARNING

Electrical Shock Hazard

Disconnect power before servicing.

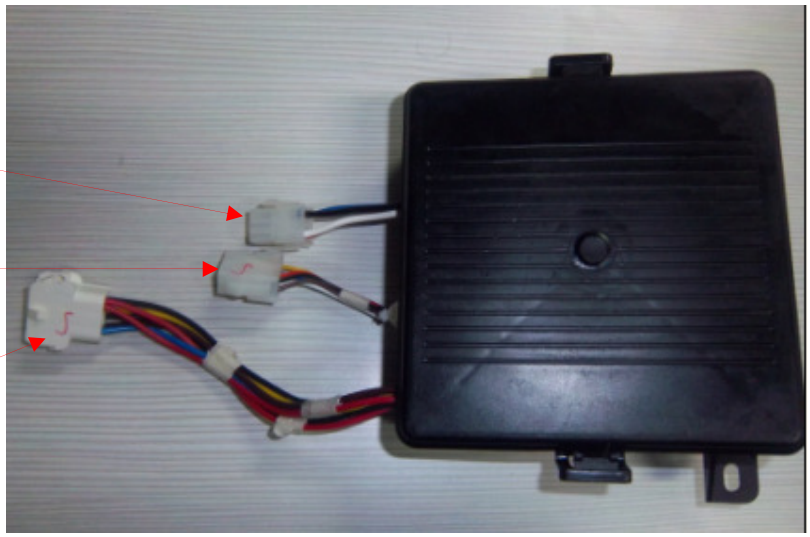
Any ground circuit disconnected during service must be reconnected.

Do not reconnect unit to electrical supply until compressor terminal cover is securely in place.

If refrigerant leak is suspected around compressor terminal, relieve all pressure from the system, keeping terminal, cover in place.

Failure to do so can result in death or electrical shock.

Identification of connectors:



CN1 (Connector 1)(6 pin MLX) – Compressor, Heater and Power Cord
CN2 (Connector 2)(8 pin minifit) – Temperature Sensors/POT
CN3 (Connector 3)(6 pin minifit) – RC/FC LED

WARNING

Electrostatic Discharge Risk

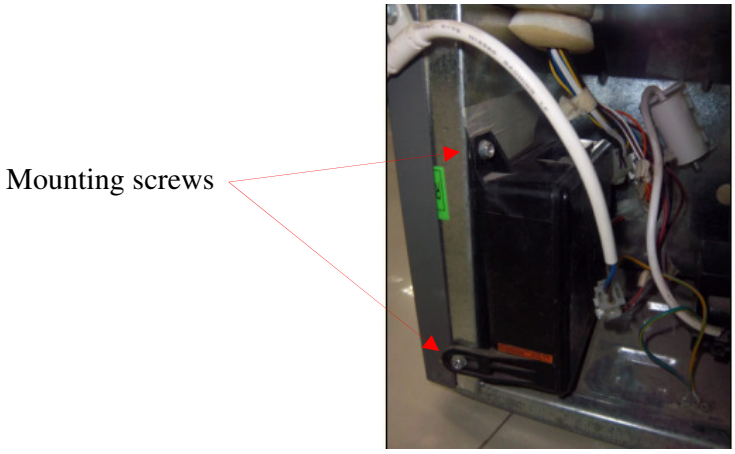
Do not touch the Circuit components, because you can damage fuse/burned or weaken the board.
Always handle the Boards by the sides/plastic holder.
Spare parts/stock boards if outside the BOX must be kept in anti-static packaging.

Assembly &Disassembly Procedure

Disassembly Procedure:

A) Core Board Box

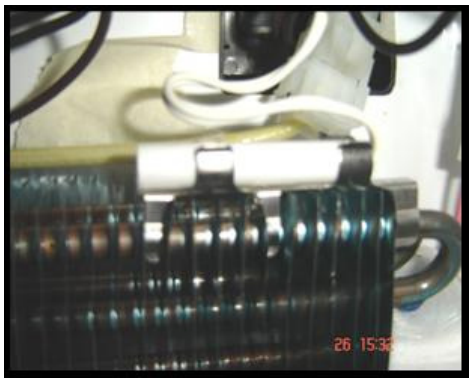
1. **Disconnect the Power cord from the Mains supply.**
2. **Remove the Mounting Screws and connectors.**



IMPORTANT

Be careful when using the Multimeter measuring probes, as they may damage the Connector terminals.
Be careful when removing the electronic board connectors, as they are latched. Remove them at right angles with no side movements

1. **Defrost Sensor mounted on the Evaporator tube.**



2. **Removing the Defrost Sensor**

Defrost Temperature Sensor – NTC

It's located at the freezer compartment, along with the Evaporator. The Defrost Sensor is responsible for sending signals to the electronic control, which will command the ending of the defrost, turning off the Defrost Heater,

This does a similar function to the well-known Defrost Bimetal

IMPORTANT

N**ever** change the position of such Sensors, as their functional characteristics can be modified. This sensor also informs the temperature conditions of the Evaporator when the product is activated (plugged in electricity) indicating to the Electronic Control the correct start up to be followed, for instance, manufacturing ,default or the previous programming done by the user, compressor delay , etc.

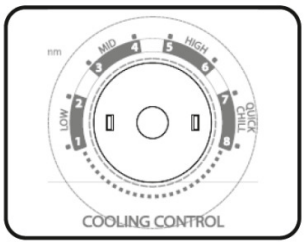
WARNING

These Sensors (refrigerator & Defrost) **Are Compatible with Each Other**, but **Are not compatible** with the Sensors of the previous Model (SYMPHONY)

NEVER replace these Sensors with the Sensor Kit used in the Symphony model.

In the need of replacing one of the Temperature Sensors, Replace the full RC Sensor **harness**. Directly replace the relevant RC Sensor harness. Do not try to repair the harness for the faulty Thermistor.

Cooling control:



POSITION	USAGE CONDITION
Low (1-2)	During winter conditions or when there is not much food stored in the refrigerator.
Mid (3-4)	This is the default & recommended setting. Can be used in normal usage.
High (5-6)	During summers or when there is a lot of food stored in the refrigerator.
Quick Chill* (7-8)	During extreme summers or when you want faster cooling.

***Quick chill mode setting to be monitored after every 12 hours to avoid freezing of food, drinks ,bottle cracking, etc.**

Dlx models:-

Adaptive Defrost Control

The defrost cycle shall be started after the Defrost timer has expired. According to the following defrost procedure:
Defrost must be executed every time one of the following event occurs:

1. After 8 hours (+/-10 minutes) of compressor running, calculated considering just the thermostat function.
2. When the product goes into defrost (in thermostatic mode) a time period of 20 min (+/-1 minute) is allowed to complete the time to defrost.
3. If the door open time > 10 min, within first 5 hrs of cumulative compressor run time, defrost is initiated at 5hrs.
4. If the door open time < 10 min or If there is at least one door opening up to 8 hrs of compressor running then defrost time is as per point 1.
5. If there is no door opening up to 8 hrs of compressor running than defrost time will be 18hrs
6. If there is no door opening for 8 hrs, & there is door opening between 8 to 18 hrs of compressor running, defrost will take place immediately.

The 5^{th}, 8th or 18^{th} hr of compressor running (defrost timer) consist of the sum of all the compressor's ON time, independently of the number of compressor cycles and how many time the compressor was ON.

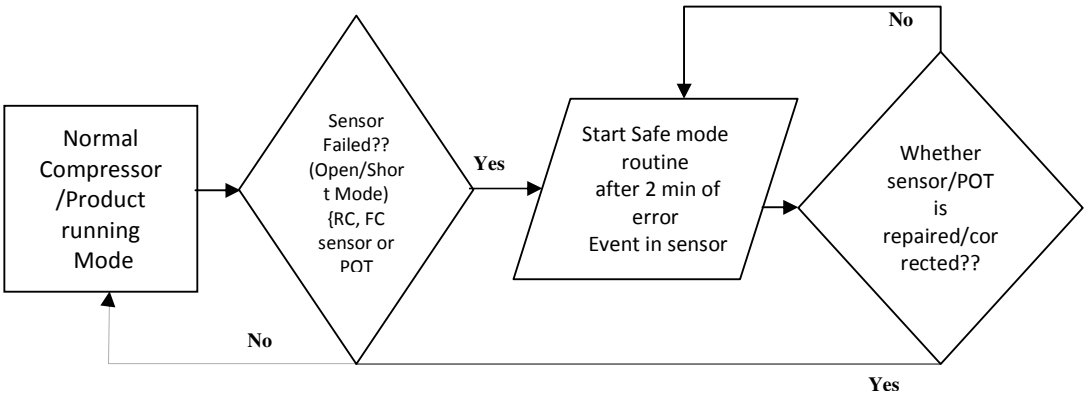
Door Open Sensing Alarm

Door open sensing alarm activates or gives beep if the door is kept open for more than 2 min.
During the Door opening beep alarm if the door is closed then the alarm gets deactivated.

Safe mode routine

During Constant fault condition, the Electronic Control will assume a safety routine, as in normal cycle, trying to keep food conservation, however will work as follows:

- Compressor and Fan Motors will be on for 25 minutes and then will turn off for 20 minutes.
- Interval set between defrosts will be fixed in every 5 hours of the Compressor activity
- Every defrost time is fixed for 20 minutes. No dependency on defrost sensor for Cut Off temp of 15°C


Normal Compressor /Product running Mode
Sensor Failed?? (Open/Short Mode) {RC, FC sensor or POT
Yes
No
Start Safe mode routine after 2 min of error Event in sensor
Whether sensor/POT is repaired/corrected??
No
Yes

Note: -

- There is no Service routine provided in this model.
- To check whether Heater is working fine or not, service person can use the Power up initialization function of the model, where Product need to be switched Off & need to be ensured that the temp at the FC sensor is >0°c, then after making the product ON product goes into the Power up initialization mode where after product switch ON, heater gets activated for the first 5 seconds & then it goes to the compressor mode after 3 minutes of heater getting off. Service person can make the use of this 5 seconds where by putting the Tong tester one can easily identify the healthy/faulty condition of the heater through the driving current displayed on the tong tester it self at the Electronic core board box location without opening the FC Plenum.
- In case of any Aluminum foil wrapping found over the Wiring harness either in FC compartment, RC Compartment or in the Compressor deck area, the same Al foil should be carefully replaces in same fashion after servicing
- In case of any detailed technical information please check with the Dlx technical specification.

Board Level Diagnostics for :

* Thermistor Failure FC/RC
* Potentiometer Failure

1 First Turn Off the Product & disconnect the Plug.

2 Remove the 3 connectors of Control Board.

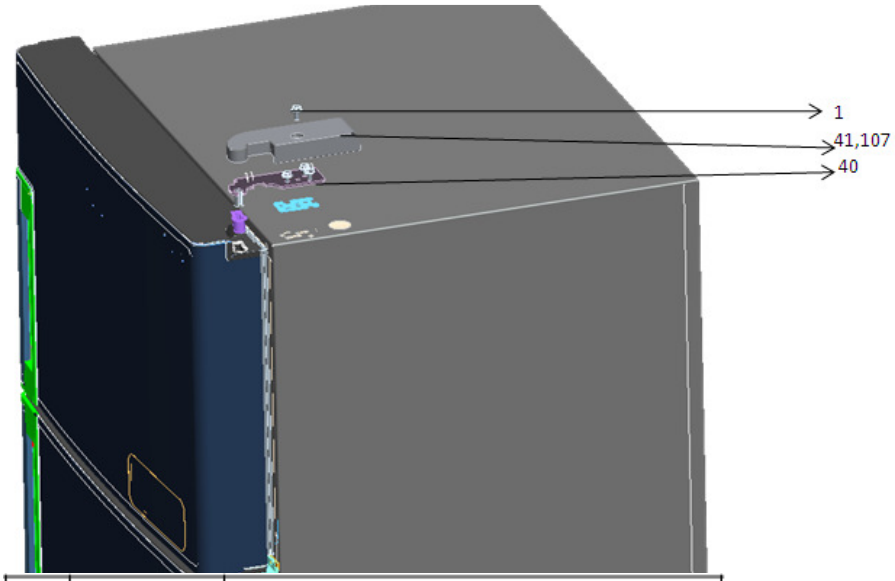
3 For Thermistor Failure FC/RC

* Check resistance on pin no. 4 & 8 of CN2 (8 pin connector) for RC Thermistor.
* Check resistance on pin no. 2 & 6 of CN2 (8 pin connector) for FC Thermistor.
* IF thermistor is open then the resistance is infinite.
* IF thermistor is short then the resistance is zero.
* IF resistance lie between 0-22 KOhms the themistor is OK.

5 Potentiometer Failure

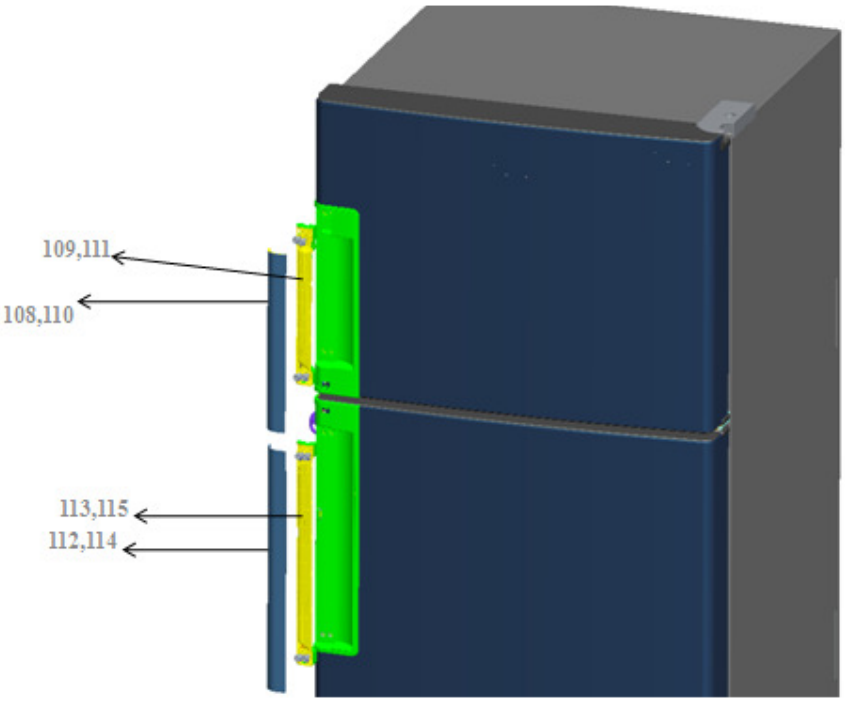
* Check resistance on pin no. 1 & 5 of CN2 (8 pin connector) for Potentiometer.
* It should lie between 0 to 22 K ohms

EXPLODED VIEWS:

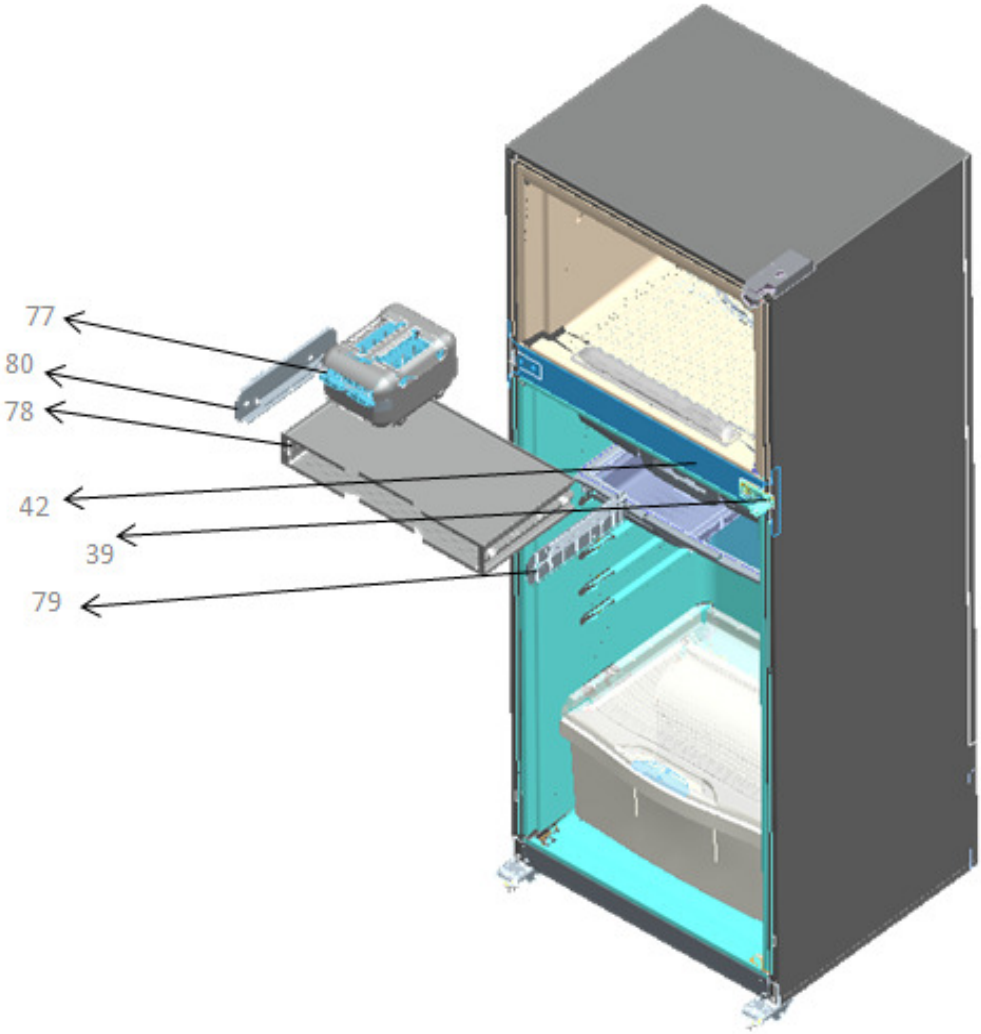


41	W1050778	TOP HINGE COVER NEO-DLX WHITE
107	W10463885	TOP HINGE COVER NEO-DLX CHARCOAL GREY
1	A201354000D	PHILIPS HEAD SCREW M5.5X1.8
40	W1044351	HINGE TOP ASSY-DLX NEO/L-60

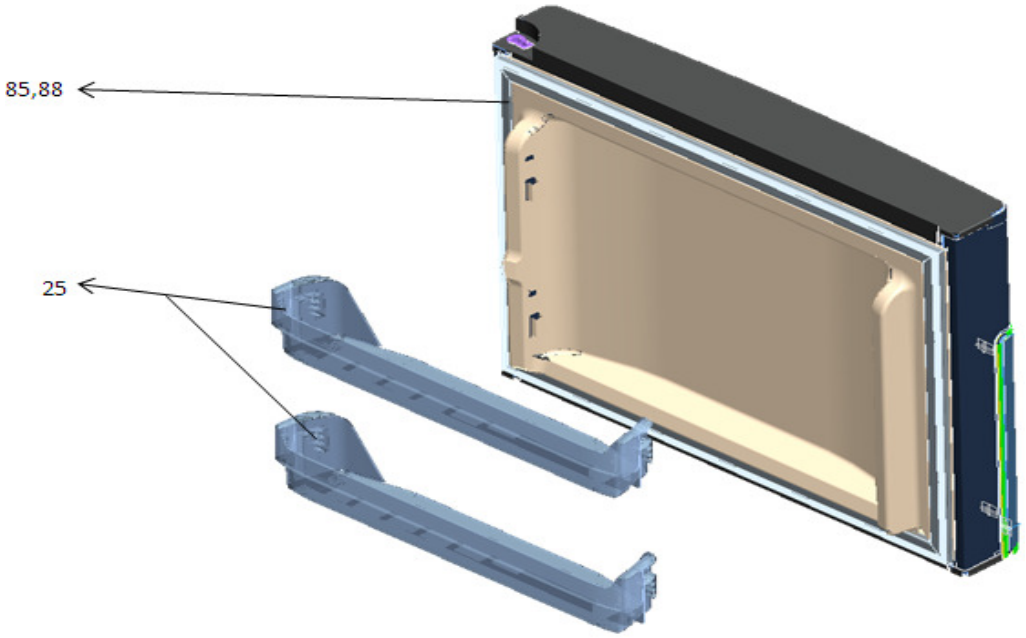
108	W10412075	HANDLE FC FRONT FLUSH WHITE
109	W10511612	HANDLE FC BACK FLUSH WHITE
110	W10477284	HANDLE FC FRONT FLUSH EXPORTS
111	W10412074	HANDLE FC BACK FLUSH WARM SILVER2
112	W10412079	HANDLE RC FRONT FLUSH WHITE
113	W10511612	HANDLE RC BACK FLUSH WHITE
114	W10477285	HANDLE RC FRONT FLUSH WARM SILVER2
115	W10412078	HANDLE RC BACK FLUSH WARM SILVER2



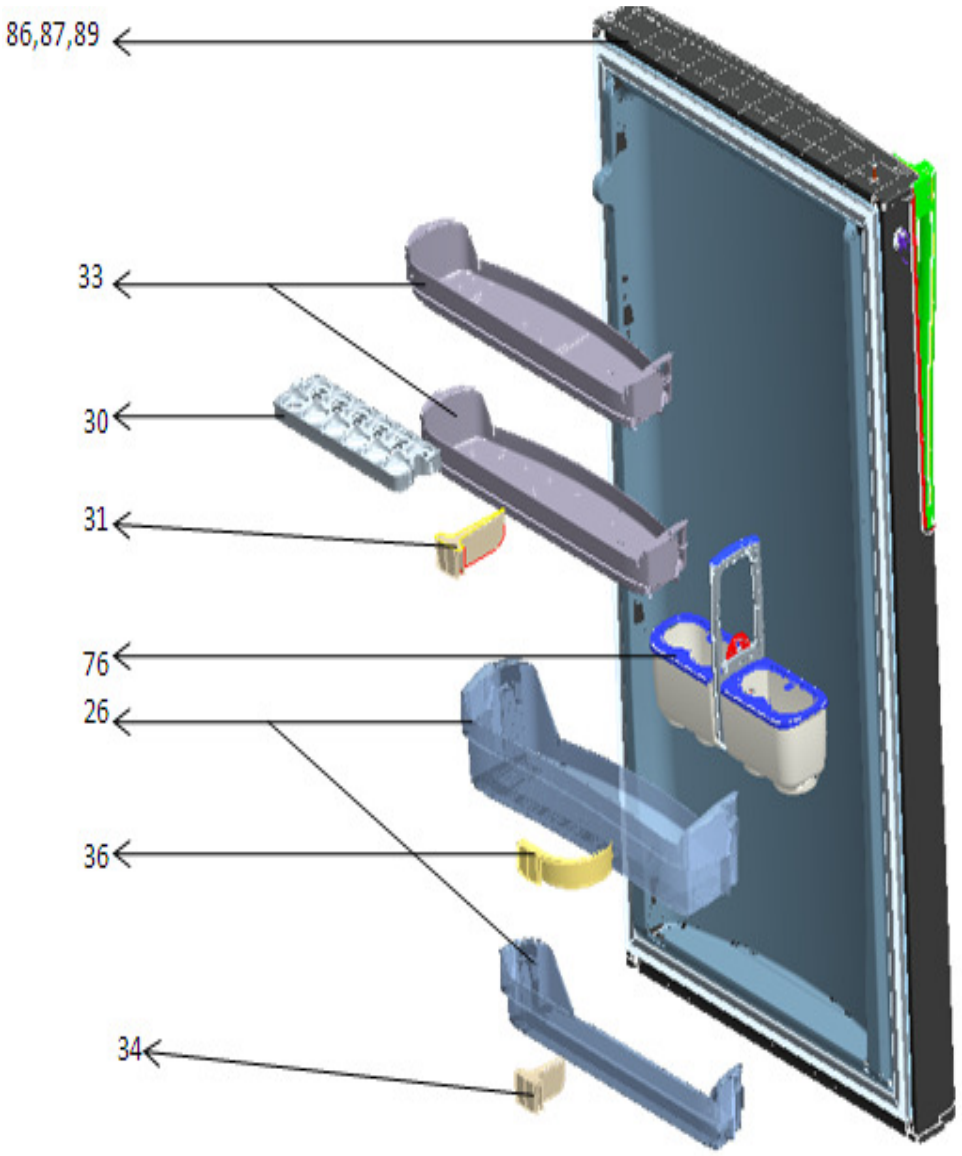
77	W10482605	ASSY, ICE TWISTER REMOVABLE W/CARTON
78	W10410592	PUFF PASTRY ASSY-AUS
79	W10432625	PUFF PASTRY RAIL-RIGHT
80	W10432627	PUFF PASTRY RAIL-LEFT
39	W10416855	CENTRE HINGE ASSY FC/RC 3D TRIONYX
42	W10478232	COVER CENTRE RAIL ONYX



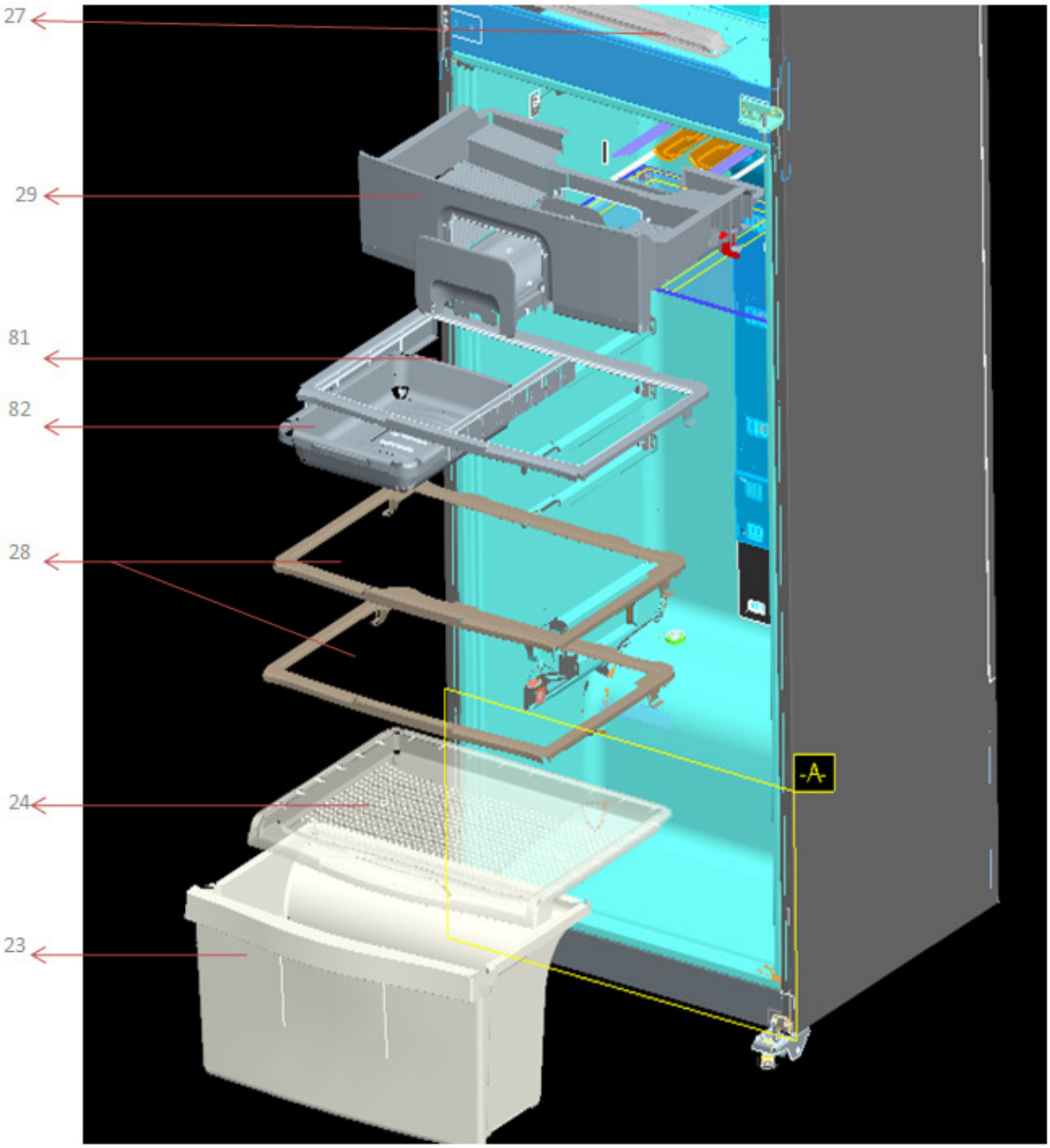
85	W10505097	FC FOAMED DOOR DLX FLUSH NEO WHITE
25	W10479935	FREEZER BIN - NEO WITH GRAPHICS
88	W10505100	FC FOAMED DOOR DLX FLUSH NEO SUSLITE



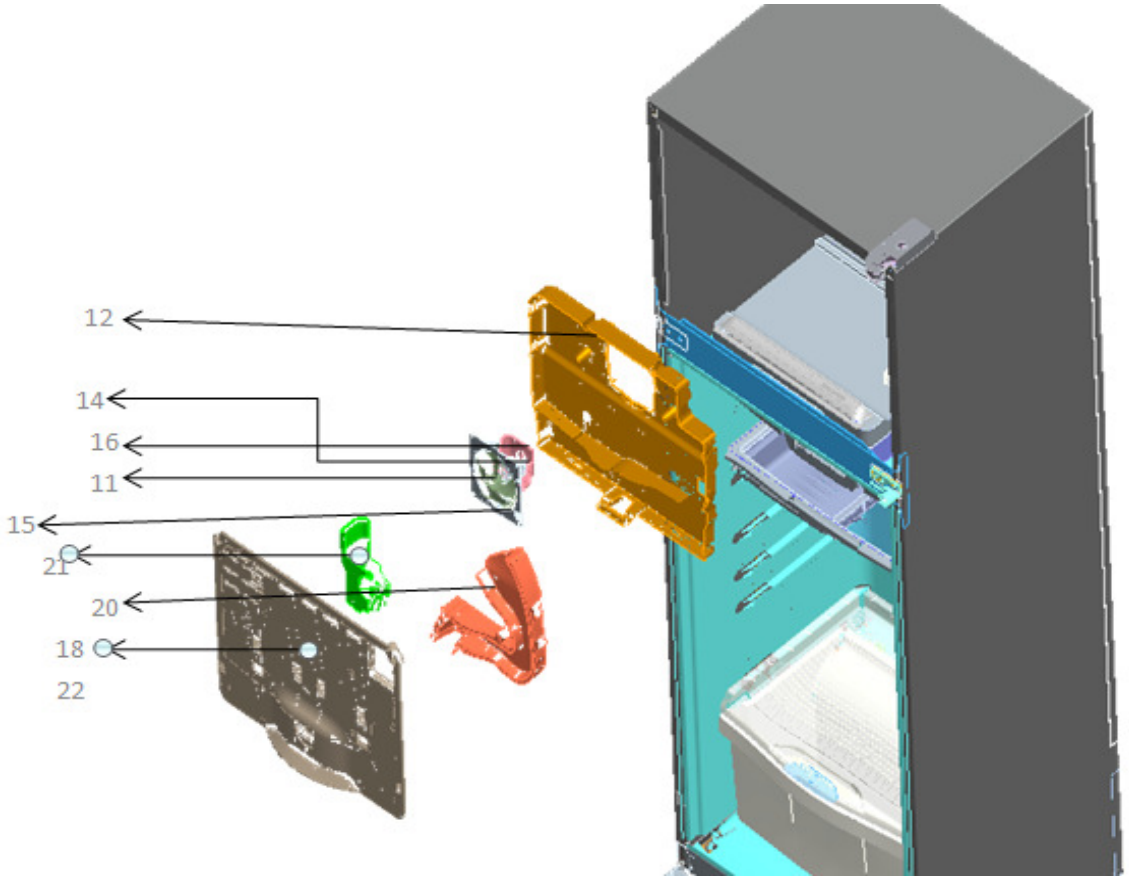
86	W10505104	RC FOAMED DOOR 450L FLUSH NEO WHITE
87	W10505101	RC FOAMED DOOR 410L FLUSH NEO WHITE
89	W10505102	RC FOAMED DOOR 410L FLUSH NEO SUSLITE
76	W10497994	BEER CADDY ASSY WITH BOTTLE OPENER
26	W10479936	BOTTLE BIN - NEO WITH GRAPHICS
36	A224357000A	BIN SEPARATOR - ONYX
33	W10479937	MULTI USE BIN - NEO WITH GRAPHICS
31	A224059000A	PACKET SEPARATOR - ONYX
34	A2240650000	BOTTLE SEPARATOR - ONYX
30	A2240510000	EGG TRAY – ONYX
26	W10479936	BOTTLE BIN - NEO WITH GRAPHICS

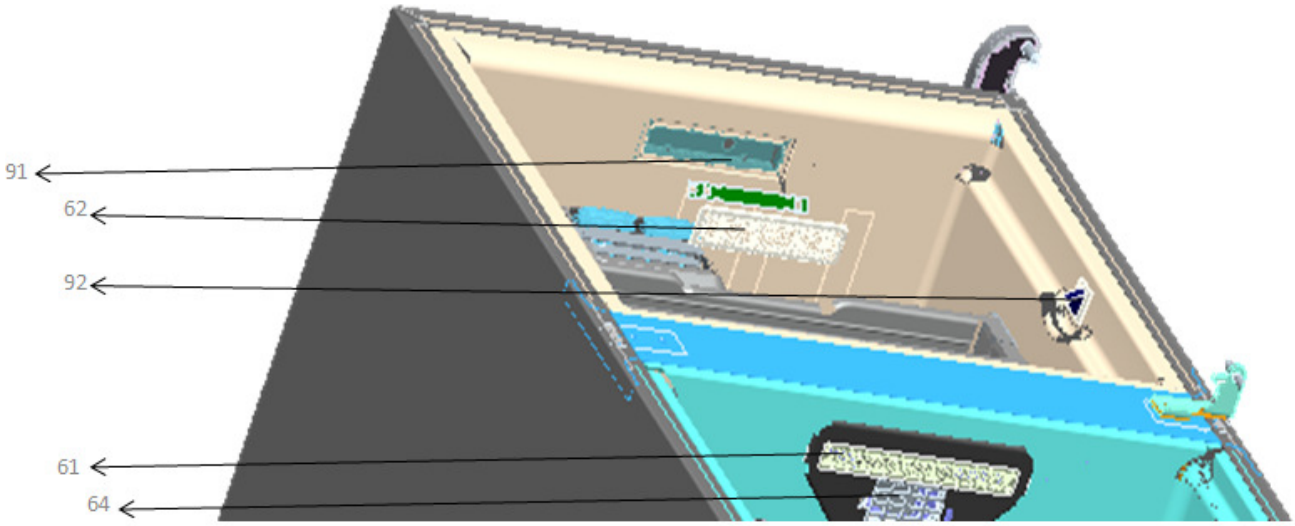

86,87,89
33
30
31
76
26
36
34

29	W10444262	SUB ASSY BEER CENTRAL
81	W10432661	DEFROST SHELF FRAME-AUSTRALIA
82	W10432663	DEFROST TRAY-AUSTRALIA
28	A224041000B	GLASS SHELF – ONYX
23	W10487837	VEG CRISPER NEO
24	W10479952	SUB ASSY- VEG CRISPER COVER-NEO
27	A224133000A	FC GRILL – ONYX



12	A224268000B	SUB ASSY PLENUM BACK -ONYX
18	W10479945	SUB ASSY PLENUM FRONT GRAPHICS-NEO
20	A2240730000	COMPLEMENT EPS, PLENUM BACK- ONYX
21	A2242540000	COMPLEMENT PLENUM FRONT-ONYX
22	A2241810000	PLENUM SCREW CAP - ONYX
11	A2221180000	FAN BLADE, 110MM DUO
14	A2221170000	MI AC MOTOR FOR DUO
15	A222119000B	BRACKET FAN MOTOR MOUNTING
16	A222120000B	HOUSING, FAN MOTOR, DUO
17	A222148000A	GROMET FOR FIXING MOTOR



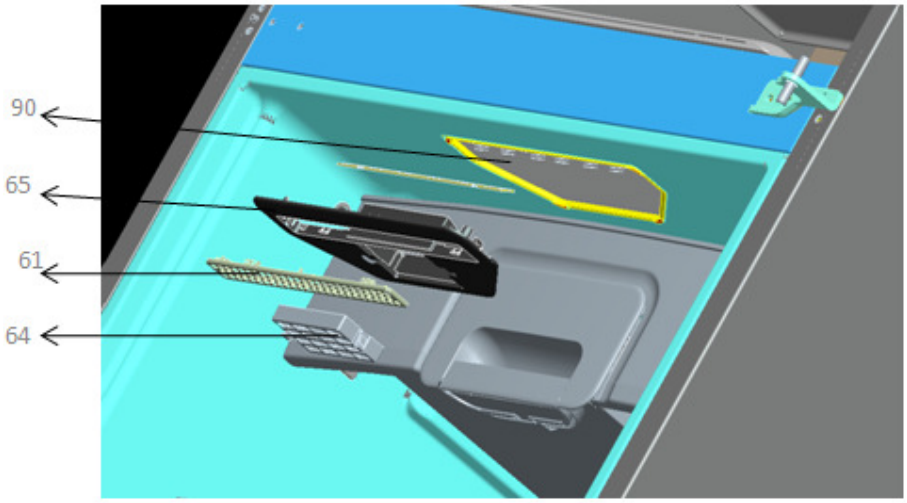


61	A224099000A	RC PCB LENS ASSY - ONYX
62	A224104000A	FC PCB LENS ASSY - ONYX
64	A2242770000	COVER - DEODERISER - ONYX
65	A2241590008	SUPPORT DEODERISER COVER-ONYX
90	A2241020000	HOUSING RC LED DEODERISER - ONYX
91	A2241520000	HOUSING FC LED - ONYX
92	A2253030000	SWITCH ROCKER ARM, NC- ESBEE W welded

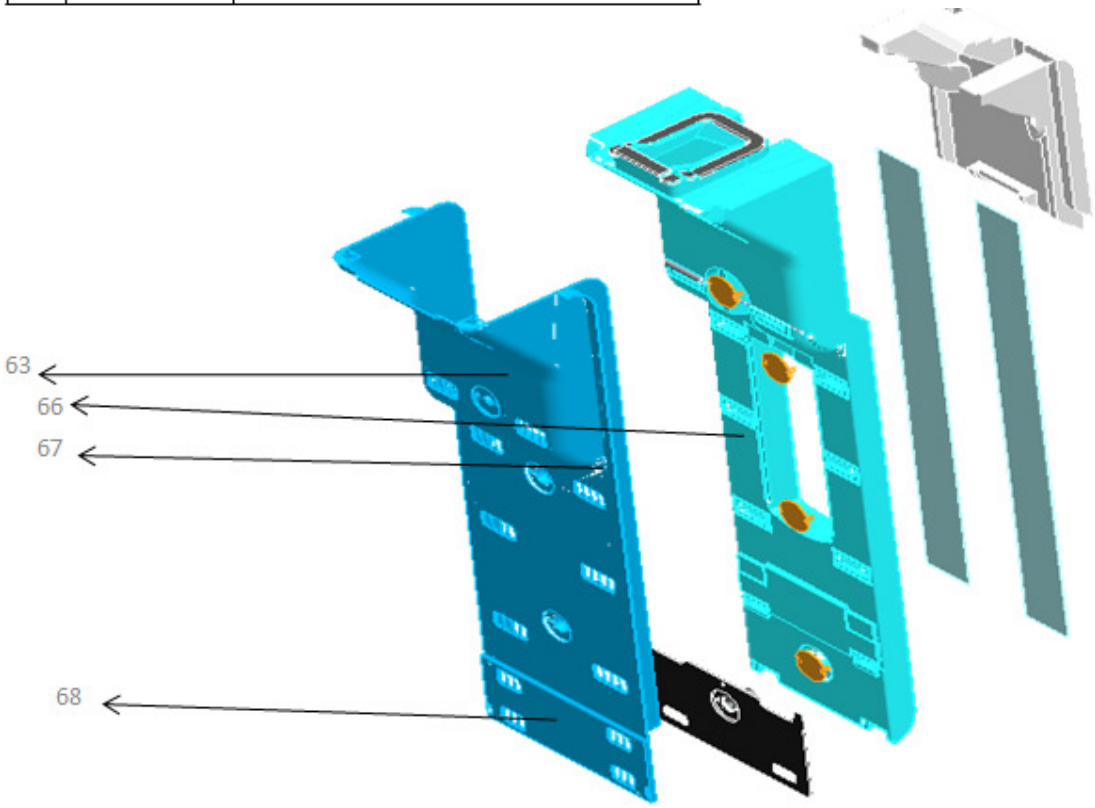
Note:

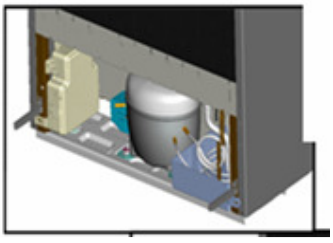
#61 new part: W10496671 RC PCB LENS ASSY-ONYX WITH INTEGRATED POWER SUPPLY

#62 new part: A224104000A FC PCB LENS ASSY-ONYX WITH INTEGRATED POWER SUPPLY



63	W10479944	COVER AIR DIFFUSER DLX GRAPHICS- NEO
66	A2241630008	SUB ASSY DIFFUSER EPS -ONYX
67	A224042000A	CAP, COVER AIR DIFFUSER SCREW-ONYX
68	A224097000A	EXTENSION COVER AIR DIFFUSER, 450L-ONYX

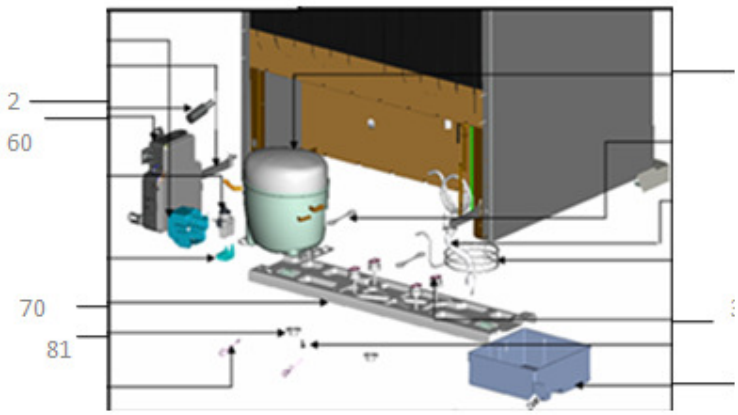




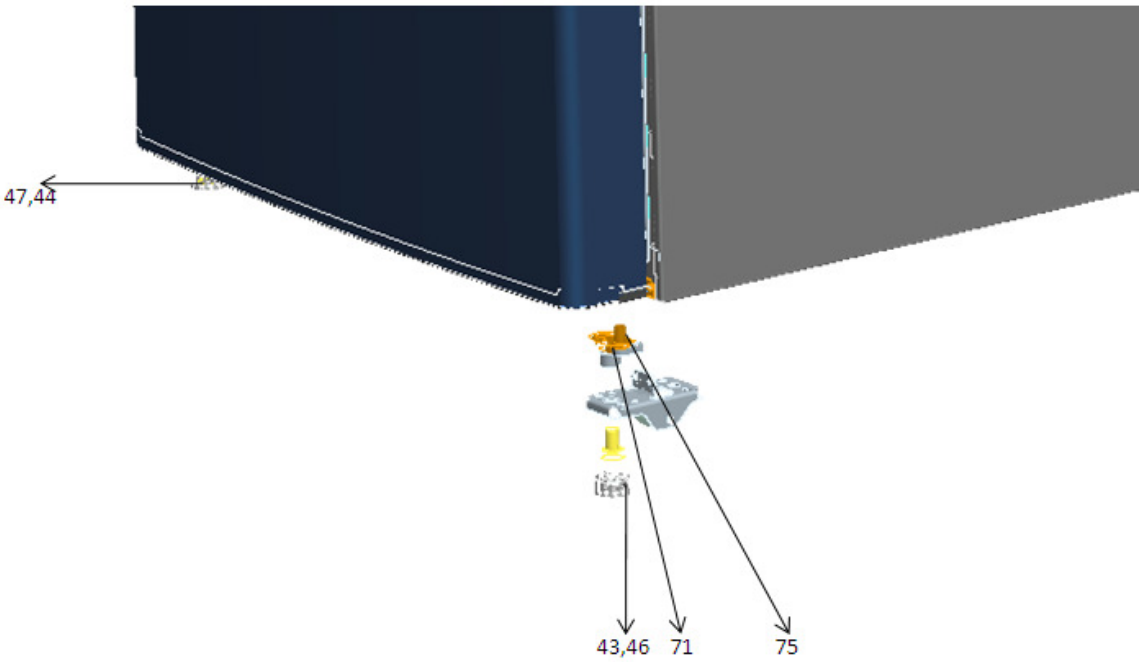
2	A2245960000	Spacer Sub Assy - Onyx
3	A2252540000	Grommet Compressor-THK
10	A211638380A	COMPRESSOR SLEEVE-GNF
70	A224142000H	COMPRESSOR BASE PLATE ASSY - ONYX
84	A2253880000	COMP ASSY EMY65HLC
5	W10431429	DEFROST WATER TRAY Assembly - Onyx
72	W10464332	Drain Tube Extension NEO
60	W10492990	H2 CORE BOARD BOX SUB ASSY-ONYX AUST

Note:

#60 new part: W10512528 H2 CORE BOARD BOX ASSY. ONYX AUST **New board w/o power supply for LED's**



71	A224109000C	BOTTOM HINGE AND ROLLER ASSY RH - ONYX
43	A224198200A	SOCKLE, BOTTOM HINGE WHITE, RH - ONYX
44	A224199200A	SOCKLE, BOTTOM HINGE WHITE, LH - ONYX
45	A224234200A	SOCKLE CAP WHITE - ONYX
46	W10496988	SOCKLE BOTTM HINGE CHARCOAL GREY, RH NEO
47	W10496989	SOCKLE BOTTM HINGE CHARCOAL GREY, LH NEO
74	A224107000C	COMPLEMENT, STOP DOOR RC - ONYX
75	A2243610000	WASHER DOOR STOPPER - ONYX



Compressor Information

EMY65HLC Compressor

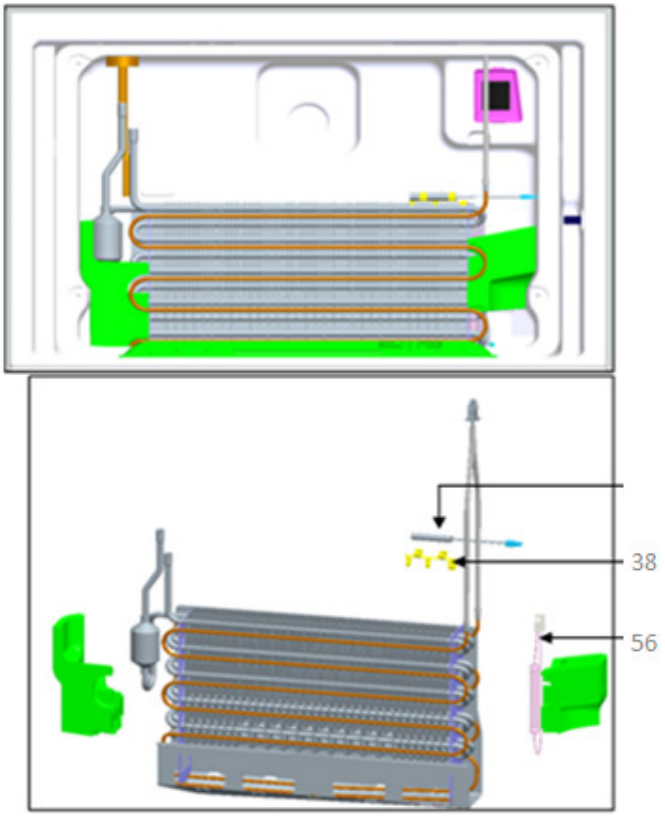
EGZS80HLC Compressor

***NOTE* –To replace EMY65HLC Compressor in place of EGZ80HLC use reverse port suction compliment .**

Spare part No. - 137, Whirlpool Part No.A2294830000

Part No: - A2241780000
INTEGRATED DEFROST HEATER,KENMORE-ONYX

56	A2117510000	THERMAL FUSE WITH CONNECTOR
38	A2290920000	THERMISTER CLIP - FC



PART LIST FOR ONYX-AUSTRALIA

SERVICABLE PART-NEO-AUSTRALIA							
Sr no	WOIL PART NUMBER	DESCRIPTION	COMMODITY	Model			
				410L	410L	410L	445L
				WRIBT41WB	WRIBP41WC	WRIBP41MC	WRIBP45WC
1	A201354000D	PHILIPS HEAD SCREW M5.5X1.8	SCREW	8 EA	8 EA	8 EA	8 EA
2	A2245960000	Spacer Sub Assy - Onyx	PLASTIC	1 EA	1 EA	1 EA	1 EA
3	A2252540000	Grommet Compressor-THK	PLASTIC	4 EA	4 EA	4 EA	4 EA
4	A201378000A	SOUND DEADENING- EVAPORATOR	RUBBER	1 EA	1 EA	1 EA	1 EA
5	W10431429	DEFROST WATER TRAY Assembly - Onyx	PLASTIC	1 EA	1 EA	1 EA	1 EA
6	A2222710000	SOUND DAMPNER	RUBBER	1 EA	1 EA	1 EA	1 EA
7	D111204100D	HEX NYLOC NUT M6	SCREW	4 EA	4 EA	4 EA	4 EA
8	W10464313	Heat Shield NEO		1 EA	1 EA	1 EA	1 EA
9	A224539000B	Compliment Suction Line - Onyx EMY75HLC	COPPER	1 EA	1 EA	1 EA	1 EA
10	A211638380A	COMPRESSOR SLEEVE-GNF	PLASTIC	4 EA	4 EA	4 EA	4 EA
11	A2221180000	FAN BLADE, 110MM DUO	PLASTIC	1 EA	1 EA	1 EA	1 EA
12	A224268000B	SUB ASSY PLENUM BACK -ONYX	ASSY	1 EA	1 EA	1 EA	1 EA
13	A201495000C	KNOB -FREEZER CONTROL	PLASTIC	1 EA	1 EA	1 EA	1 EA
14	A2221170000	MI AC MOTOR FOR DUO	ELECTRONICS	1 EA	1 EA	1 EA	1 EA
15	A222119000B	BRACKET FAN MOTOR MOUNTING	PLASTIC	1 EA	1 EA	1 EA	1 EA
16	A222120000B	HOUSING, FAN MOTOR, DUO	PLASTIC	1 EA	1 EA	1 EA	1 EA
17	A222148000A	GROMET FOR FIXING MOTOR	PLASTIC	2 EA	2 EA	2 EA	2 EA
18	W10479945	SUB ASSY PLENUM FRONT GRAPHICS-NEO	ASSY	1 EA	1 EA	1 EA	1 EA
19	A2244120000	MANUAL DAMPER FOR AUSTRALIA - ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
20	A2240730000	COMPLEMENT EPS, PLENUM BACK- ONYX	ASSY	1 EA	1 EA	1 EA	1 EA
21	A2242540000	COMPLEMENT PLENUM FRONT-ONYX	ASSY	1 EA	1 EA	1 EA	1 EA
22	A2241810000	PLENUM SCREW CAP - ONYX	PLASTIC	4 EA	4 EA	4 EA	4 EA
23	W10487837	VEG CRISPER NEO	PLASTIC	1 EA	1 EA	1 EA	1 EA
24	W10479952	SUB ASSY- VEG CRISPER COVER-NEO	ASSY	1 EA	1 EA	1 EA	1 EA
25	W10479935	FREEZER BIN - NEO WITH GRAPHICS	PLASTIC	2 EA	2 EA	2 EA	2 EA
26	W10479936	BOTTLE BIN - NEO WITH GRAPHICS	PLASTIC	1 EA	1 EA	1 EA	1 EA
27	A224133000A	FC GRILL – ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
28	A224041000B	GLASS SHELF – ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
29	W10444262	Sub-aseembly - Beer Chiller Central	ASSY	0 EA	1 EA	1 EA	1 EA
30	A2240510000	EGG TRAY – ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
31	A224059000A	PACKET SEPARATOR - ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
32	A2241720000	BUSH, CHILLER DOOR-ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
33	W10479937	MULTI USE BIN - NEO WITH GRAPHICS	PLASTIC	2 EA	2 EA	2 EA	2 EA
34	A2240650000	BOTTLE SEPARATOR - ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
35	W10479942	FREEZER BIN RC - NEO WITH GRAPHICS	PLASTIC	1 EA	1 EA	1 EA	1 EA
36	A224357000A	BIN SEPARATOR - ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
37	A2245140000	Crisper Cover Foam Pad	PLASTIC	6 EA	6 EA	6 EA	6 EA
38	A2290920000	THERMISTER CLIP - RC, OPAL	STEEL	1 EA	1 EA	1 EA	1 EA
39	W10416855	CENTRE HINGE ASSY FC/RC 3D TRIONYX	ASSY	1 EA	1 EA	1 EA	1 EA
40	W10444351	HINGE TOP ASSY-DLX NEO/L-60	ASSY	1 EA	1 EA	1 EA	1 EA
41	W10507748	TOP HINGE COVER NEO-DLX WHITE	PLASTIC	1 EA	1 EA	0 EA	1 EA
42	W10478232	COVER CENTRE RAIL ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
43	A224198200A	SOCKLE, BOTTOM HINGE WHITE, RH - ONYX	PLASTIC	1 EA	1 EA	0 EA	1 EA
44	A224199200A	SOCKLE, BOTTOM HINGE WHITE, LH - ONYX	PLASTIC	1 EA	1 EA	0 EA	1 EA
45	A224234200A	SOCKLE CAP WHITE - ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA
46	W10496988	SOCKLE BOTTM HINGE CHARCOAL GREY, RH NEO	PLASTIC	0 EA	0 EA	1 EA	0 EA
47	W10496989	SOCKLE BOTTM HINGE CHARCOAL GREY, LH NEO	PLASTIC	0 EA	0 EA	1 EA	0 EA
48	A201356000B	SCREW- Philips Head ,M4.8 x 16	SCREW	3 EA	3 EA	3 EA	3 EA
49	D111155700K	S.T. SCREW (8*13)/Crescendo	SCREW	2 EA	2 EA	2 EA	2 EA
50	A2243490000	M 4.2 X 16 SELF TAPPING SCREW - ONYX	SCREW	4 EA	4 EA	4 EA	4 EA
51	A2243500000	M 4.8 X 13 SELF TAPPING SCREW - ONYX	SCREW	5 EA	5 EA	5 EA	5 EA
52	A222376000A	4.8 X 16 SELF TAPP AB TYPE SS	SCREW	1 EA	1 EA	1 EA	1 EA
53	A222374000A	4.2 X 25 SELF TAPP AB TYPE SS	SCREW	8 EA	8 EA	8 EA	8 EA
54	W10418501	Screw Trilobular M6 X 1.0 Hex Head	SCREW	4 EA	4 EA	4 EA	4 EA
55	A2246190000	POWER CORD AUSTRALIA - ONYX	ELECTRONICS	0 EA	0 EA	0 EA	1 EA
56	A2117510000	THERMAL FUSE WITH CONNECTOR	ELECTRONICS	1 EA	1 EA	1 EA	1 EA
57	A224052000B	HARNESS RC, DLX-ONYX	ELECTRONICS	1 EA	1 EA	1 EA	1 EA
58	A224249000A	HARNESS FAN MOTOR - ONYX	ELECTRONICS	1 EA	1 EA	1 EA	1 EA
59	A222248000A	POT PCB ASSEMBLY / Proton	ELECTRONICS	1 EA	1 EA	1 EA	1 EA

60	W10492990	H2 CORE BOARD BOX SUB ASSY-ONYX AUST	ELECTRONICS	1 EA	1 EA	1 EA	1 EA	
61	A224099000A	RC PCB LENS ASSY - ONYX	ELECTRONICS	1 EA	1 EA	1 EA	1 EA	
62	A224104000A	FC PCB LENS ASSY - ONYX	ELECTRONICS	1 EA	1 EA	1 EA	1 EA	
63	W10479944	COVER AIR DIFFUSER DLX GRAPHICS- NEO	PLASTIC	1 EA	1 EA	1 EA	1 EA	
64	A2242770000	COVER - DEODERISER - ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA	
65	A224159000B	SUPPORT DEODERISER COVER-ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA	
66	A224163000B	SUB ASSY DIFFUSER EPS, 450L -ONYX	ASSY	1 EA	1 EA	1 EA	1 EA	
67	A224042000A	CAP, COVER AIR DIFFUSER SCREW-ONYX	PLASTIC	2 EA	2 EA	2 EA	2 EA	
68	A224097000A	EXTENSION COVER AIR DIFFUSER, 450L-ONYX	PLASTIC	0 EA	0 EA	0 EA	1 EA	
69	A224402000A	ASSY PLATE LEVELLER, MODIFIED - ONYX	ASSY	1 EA	1 EA	1 EA	1 EA	
70	A224142000H	COMPRESSOR BASE PLATE ASSY - ONYX	ASSY	1 EA	1 EA	1 EA	1 EA	
71	A224109000C	BOTTOM HINGE AND ROLLER ASSY RH - ONYX	ASSY	1 EA	1 EA	1 EA	1 EA	
72	W10464332	Drain Tube Extension NEO	PLASTIC	1 EA	1 EA	1 EA	1 EA	
73	W10477273	SHOULDER SCREW NF 06	SCREW	8 EA	8 EA	8 EA	8 EA	
74	A224107000C	COMPLEMENT, STOP DOOR RC - ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA	
75	A2243610000	WASHER DOOR STOPPER - ONYX	STEEL	1 EA	1 EA	1 EA	1 EA	
76	W10497994	BEER CADDY ASSY WITH BOTTLE OPENER	ASSY	1 EA	1 EA	1 EA	1 EA	
77	W10482605	Assly, Ice Twister, Removable,w carton	ASSY	1 EA	1 EA	1 EA	1 EA	
78	W10410592	Puff pastry Assy - Australia	ASSY	1 EA	1 EA	1 EA	1 EA	
79	W10432625	Puff Pastry Rail - Right	PLASTIC	1 EA	1 EA	1 EA	1 EA	
80	W10432627	Puff Pastry Rail - Left	PLASTIC	1 EA	1 EA	1 EA	1 EA	
81	W10432661	Defrost Shelf Frame - Australia	PLASTIC	0 EA	1 EA	1 EA	1 EA	
82	W10432663	Defrost Tray - Australia	PLASTIC	0 EA	1 EA	1 EA	1 EA	
83	W10495835	Double Adhesive foam pad-CoreBoard Box	FOAM PAD	1 EA	1 EA	1 EA	1 EA	
84	A2253880000	COMP ASSY EMY65HLC	COMPRESSOR	1 EA	1 EA	1 EA	1 EA	
85	W10505097	FC FOAMED DOOR DLX FLUSH NEO WHITE	FOAMED DOOR	1 EA	1 EA	0 EA	1 EA	
86	W10505104	RC FOAMED DOOR 450L FLUSH NEO WHITE	FOAMED DOOR	0 EA	0 EA	0 EA	1 EA	
87	W10505101	RC FOAMED DOOR 410L FLUSH NEO WHITE	FOAMED DOOR	1 EA	1 EA	0 EA	1 EA	
88	W10505100	FC FOAMED DOOR DLX FLUSH NEO SUSLITE	FOAMED DOOR	0 EA	0 EA	1 EA	0 EA	
89	W10505102	RC FOAMED DOOR 410L FLUSH NEO SUSLITE	FOAMED DOOR	0 EA	0 EA	1 EA	0 EA	
90	A2241020000	HOUSING RC LED DEODERISER - ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA	
91	A2241520000	HOUSING FC LED - ONYX	PLASTIC	1 EA	1 EA	1 EA	1 EA	
92	A2253030000	SWITCH ROCKER ARM, NC- ESBEE W welded	ELECTRONICS	2 EA	2 EA	2 EA	2 EA	
93	W10478024	SCREW-TRILOBULAR M6X1.0 HEX HEAD	SCREW	8 EA	8 EA	8 EA	8 EA	
94	W10493019	CHILLER, STOPPER, LINER,NEO	PLASTIC	2 EA	2 EA	2 EA	2 EA	
95	A2241780000	INTEGRATED DEFROST HEATER,KENMORE-ONYX	HEATER	1 EA	1 EA	1 EA	1 EA	
96	W10471834	PUSH IN GASKET (B)- FC TRIONYX / NEO	GASKET	0 EA	0 EA	0 EA	1 EA	
97	W10473960	Gasket - RC 450L	GASKET	0 EA	0 EA	0 EA	1 EA	
98	W10471836	PUSH IN GASKET (B) - RC 410L NEO	GASKET	1 EA	1 EA	1 EA	0 EA	
99	W10456029	WANBAO, ADW66AK	COMPRESSOR	1 EA	1 EA	1 EA	1 EA	
100	A224248000D	COMPLIMENT SUCTION LINE - ONYX EG-80HLC	COPPER	1 EA	1 EA	1 EA	1 EA	
101	W10456032	ONYX 410L AUST POWER CORD	ELECTRONICS	1 EA	1 EA	1 EA	1 EA	
102	A2253020000	MES brushless fan motor (160-260)	ELECTRONICS	1 EA	1 EA	1 EA	1 EA	
103	A2245540000	Fan Motor Harness - MES Fan Motor Onyx	ELECTRONICS	1 EA	1 EA	1 EA	1 EA	
104	W10494984	GROMET SLEEVE	STEEL	4 EA	4 EA	4 EA	4 EA	
105	A2240390000	CHILLER - ONYX	PLASTIC	1 EA	0 EA	0 EA	0 EA	
106	W10502344	GASKET SUB-ASSY FC NEO PART	GASKET	1 EA	1 EA	1 EA	0 EA	
107	W10463885	TOP HINGE COVER NEO-DLX CHARCOAL GREY	PLASTIC	0 EA	0 EA	1 EA	1 EA	
108	W10412075	HANDLE FC FRONT FLUSH WHITE	PLASTIC	1EA	1EA	0EA	1EA	
109	W10511612	HANDLE FC BACK FLUSH WHITE	PLASTIC	1EA	1EA	0EA	1EA	
110	W10477284	HANDLE FC FRONT FLUSH EXPORTS	PLASTIC	0EA	0EA	1EA	0EA	
111	W10412074	HANDLE FC BACK FLUSH WARM SILVER2	PLASTIC	0EA	0EA	1EA	0EA	
112	W10412079	HANDLE RC FRONT FLUSH WHITE	PLASTIC	1EA	1EA	0EA	1EA	
113	W10511612	HANDLE RC BACK FLUSH WHITE	PLASTIC	1EA	1EA	0EA	1EA	
114	W10477285	HANDLE RC FRONT FLUSH WARM SILVER2	PLASTIC	0EA	0EA	1EA	0EA	
115	W10412078	HANDLE RC BACK FLUSH WARM SILVER2	PLASTIC	0EA	0EA	1EA	0EA	